

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0537	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Reclamation District No. 0537 Lovdal	M *	5.93						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.17%	0.01			
Trim / Thin Trees	0.03		0.03	0.51%				
Encroachments	0.01		0.01	0.17%	0.17	0.18		
Animal Control	0.17	0.03	0.29	4.89%				
Erosion / Bank Caving	0.05	0.01	0.09	1.52%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.07	0.01		
<i>LMA Totals:</i>	0.27	0.04	0.43	7.25% *	0.25	0.19	0.00	0.00

Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD0537	M *	4.74						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.21%	0.01			
Trim / Thin Trees	0.03		0.03	0.63%				
Encroachments	0.01		0.01	0.21%	0.17	0.18		
Animal Control	0.17	0.03	0.29	6.11%				
Erosion / Bank Caving	0.05	0.01	0.09	1.90%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.07	0.01		
<i>Unit Totals:</i>	0.27	0.04	0.43	9.07% *	0.25	0.19	0.00	0.00

Unit No. 02 Yolo Bypass LB	Overall Unit Rating	Total Unit Miles						
RD0537	A	1.19						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2018 Levee Inspection Results

Reclamation District No. 0537 Lovdal

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M *	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 0537 Lovdal

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	4.74
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M *	
Date of Inspection	5/1/2018 - 5/1/2018		11/5/2018 - 11/5/2018	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Oleg Yakimov DWR		Oleg Yakimov DWR	
	David Julian DWR			

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0537_01_s_2013_11				
Comment Code					
Inspector Comment					
O&M manual is available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0537_01_s_2013_12				
Comment Code					
Inspector Comment					
LMA has flood fight supplies available on site in special containers.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0537_01_s_2013_13				
Comment Code					
Inspector Comment					
LMA is current with flood fight training.					

No Photos

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.03	Rating **	N	Issue No.	22
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.643305°	38.643305°
				-121.583749°	-121.583749°
DWR ID	DWR_RD0537_01_f_2015_22				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_22_20180904_00016.jpg



View of the tree stumps on the waterward side of the levee looking downstream. Fall 2015.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.05	Rating **	U	Issue No.	265
LM End	0.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643400 °	38.643400 °
				-121.583380 °	-121.583380 °
DWR ID	169				

Comment Code

Inspector Comment

FS_ID:53398
DS_ID:169
EP_NO: 558
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/17/2018 Pipe has severely corroded and silted inside. Needs to be abandoned properly or removed. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)07/18/2016 - Same as last inspection. Pipe severely corroded. Since it is a deep irrigation pipe, cracking on pavement likely not caused by pipe. (K. Fazel/UCIP)03/18/2013 - Crossing appears abandoned; if so, must be done so properly. Cracking on pavement along pipe alignment. Holes visible on pipe along WS slope. (P. Amatya/UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 18 feet below the crown. Centrifugal pump on the waterside (WS). Concrete collar on the WS per permit drawing, not found in 2016. Polyvinyl chloride (PVC) standpipe and valve enclosed by a concrete standpipe off the landside (LS) toe, likely not associated with the crossing, per Ken Lang of Reclamation District No. 537 (RD0537). 1-inch electrical conduit through the levee, 3.8 feet below the crown, this may not be associated with the crossing, per Ken Lang. (Plans for the installation of a pumping plant with a 10-inch discharge pipe through the levee authorized under Permit No. 558, 1932 - A. Marty and Brothers). Current adjacent landowner is the Giovenetti Ranch, but the pipe is not used by the landowner. [Additional Reference(s): DWR Levee Log, 2004, referenced as 8.3 feet below the crown]. Permit drawing issued in 1932 indicates that the pipe depth is 6.7 feet; however, permit was issued prior to the construction of a new levee prism above the old levee in 1955.
FS Date: 7/17/2018 4:18:20 PM

Photo 1 of 3 : UCIP_FA_2018_53398_17141.jpg



WS- abandoned steel pipe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.05	Rating **	U	Issue No.	265 (cont)
LM End	0.05	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.643400 °	38.643400 °	
			-121.583380 °	-121.583380 °	

DWR ID	169
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Comment Code

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Inspector Comment

FS_ID:53398

DS_ID:169

EP_NO: 558

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/17/2018 Pipe has severely corroded and silted inside. Needs to be abandoned properly or removed. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)07/18/2016 - Same as last inspection. Pipe severely corroded. Since it is a deep irrigation pipe, cracking on pavement likely not caused by pipe. (K. Fazel/UCIP)03/18/2013 - Crossing appears abandoned; if so, must be done so properly. Cracking on pavement along pipe alignment. Holes visible on pipe along WS slope. (P. Amatya/UCIP)

FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 18 feet below the crown. Centrifugal pump on the waterside (WS). Concrete collar on the WS per permit drawing, not found in 2016. Polyvinyl chloride (PVC) standpipe and valve enclosed by a concrete standpipe off the landside (LS) toe, likely not associated with the crossing, per Ken Lang of Reclamation District No. 537 (RD0537). 1-inch electrical conduit through the levee, 3.8 feet below the crown, this may not be associated with the crossing, per Ken Lang. (Plans for the installation of a pumping plant with a 10-inch discharge pipe through the levee authorized under Permit No. 558, 1932 - A. Marty and Brothers). Current adjacent landowner is the Giovenetti Ranch, but the pipe is not used by the landowner. [Additional Reference(s): DWR Levee Log, 2004, referenced as 8.3 feet below the crown]. Permit drawing issued in 1932 indicates that the pipe depth is 6.7 feet; however, permit was issued prior to the construction of a new levee prism above the old levee in 1955.

FS Date: 7/17/2018 4:18:20 PM

Photo 2 of 3 : UCIP_FA_2018_53398_17146.jpg



Crown- cracked crown pavement.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.05	Rating **	U	Issue No.	265 (cont)
LM End	0.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643400 °	38.643400 °
				-121.583380 °	-121.583380 °
DWR ID	169				

Comment Code

Inspector Comment

FS_ID:53398
DS_ID:169
EP_NO: 558
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/17/2018 Pipe has severely corroded and silted inside. Needs to be abandoned properly or removed. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov-DWR UCIP)07/18/2016 - Same as last inspection. Pipe severely corroded. Since it is a deep irrigation pipe, cracking on pavement likely not caused by pipe. (K. Fazel/UCIP)03/18/2013 - Crossing appears abandoned; if so, must be done so properly. Cracking on pavement along pipe alignment. Holes visible on pipe along WS slope. (P. Amatya/UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 18 feet below the crown. Centrifugal pump on the waterside (WS). Concrete collar on the WS per permit drawing, not found in 2016. Polyvinyl chloride (PVC) standpipe and valve enclosed by a concrete standpipe off the landside (LS) toe, likely not associated with the crossing, per Ken Lang of Reclamation District No. 537 (RD0537). 1-inch electrical conduit through the levee, 3.8 feet below the crown, this may not be associated with the crossing, per Ken Lang. (Plans for the installation of a pumping plant with a 10-inch discharge pipe through the levee authorized under Permit No. 558, 1932 - A. Marty and Brothers). Current adjacent landowner is the Giovenetti Ranch, but the pipe is not used by the landowner. [Additional Reference(s): DWR Levee Log, 2004, referenced as 8.3 feet below the crown]. Permit drawing issued in 1932 indicates that the pipe depth is 6.7 feet; however, permit was issued prior to the construction of a new levee prism above the old levee in 1955.
FS Date: 7/17/2018 4:18:20 PM

Photo 3 of 3 : UCIP_FA_2018_53398_17147.jpg



LS- pieces of concrete standpipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	266	
LM End	0.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.643528 °	38.643528 °	
				-121.583193 °	-121.583193 °	
DWR ID	168					
Comment Code						
Inspector Comment						
FS_ID:46803 DS_ID:168 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears abandoned; if so, must be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch coated steel irrigation discharge pipe, 3.8 feet below the crown. Pump is gone. Concrete pump pad on the waterside (WS) bank, not found. 36-inch concrete standpipe off the landside (LS) toe. 2-inch electrical conduit through the levee, not found. 1-inch electrical conduit found for the 10-inch pipe located 50 feet upstream. Plate bolted to the WS end of the pipe. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 4/29/2015						

LM Start	0.07	Rating **	M	Issue No.	266 (cont)
LM End	0.07	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_46803_74402.jpg



Pipe visible along WS slope.

Photo 2 of 3 : UCIP_FA_2018_46803_74403.jpg



View of pipe into water.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	266 (cont)	
LM End	0.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.643528 °		38.643528 °
				-121.583193 °		-121.583193 °
DWR ID	168					
Comment Code						
Inspector Comment						
FS_ID:46803 DS_ID:168 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears abandoned; if so, must be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch coated steel irrigation discharge pipe, 3.8 feet below the crown. Pump is gone. Concrete pump pad on the waterside (WS) bank, not found. 36-inch concrete standpipe off the landside (LS) toe. 2-inch electrical conduit through the levee, not found. 1-inch electrical conduit found for the 10-inch pipe located 50 feet upstream. Plate bolted to the WS end of the pipe. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 4/29/2015						

Photo 3 of 3 : UCIP_FA_2018_46803_74404.jpg



Closeup of plates bolted to pipe on WS slope.

LM Start	0.18	Rating **	A/W	Issue No.	34
LM End	0.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.644628 °	38.645083 °
				-121.581589 °	-121.580843 °
DWR ID	DWR_RD0537_01_f_2016_34				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_34_20181105_00090.jpg



View of erosion on the waterside slope. Fall 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.38	Rating **	M	Issue No.	47
LM End	0.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646457°	38.646457°
				-121.578663°	-121.578663°
DWR ID	DWR_RD0537_01_s_2012_47				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 3 : FA_2018_RD0537_173_47_20180904_00038.jpg



View of the firewood pile at the toe of the levee on the landward side. Fall 2015.

LM Start	0.38	Rating **	M	Issue No.	47 (cont)
LM End	0.38	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA_2018_RD0537_173_47_20180904_00039.jpg



Perspective view of more firewood at the toe of the levee on the landward side looking downstream. Fall 2015.

LM Start	0.38	Rating **	M	Issue No.	47 (cont)
LM End	0.38	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2018_RD0537_173_47_20180904_00040.jpg



Updated view of firewood at LS toe. Fall 2016.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.39	Rating **	M	Issue No.	6
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646557°	38.646557°
				-121.578529°	-121.578529°
DWR ID	DWR_RD0537_01_s_2013_6				
Comment Code					
EQ : Equipment					
Inspector Comment					
Equipment at the landside toe.					

Photo 1 of 2 : FA_2018_RD0537_173_6_20180904_00002.jpg



View of the equipment at the toe of the levee looking downstream. Spring 2016.

LM Start	0.39	Rating **	M	Issue No.	6 (cont)
LM End	0.39	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_RD0537_173_6_20180904_00003.jpg



Updated view of equipment at landside toe. Fall 2016.

LM Start	0.42	Rating **	A/W	Issue No.	31
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.646811°	38.646811°
				-121.578241°	-121.578241°
DWR ID	DWR_RD0537_01_s_2016_31				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_31_20180904_00021.jpg



View of the slope stability near the shoulder of the waterwrld side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.42	Rating **	N	Issue No.	32
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.646811 °	38.646811 °
				-121.578241 °	-121.578241 °
DWR ID	DWR_RD0537_01_s_2016_32				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_32_20180904_00022.jpg



View of the tree stump on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.42	Rating **	M	Issue No.	18
LM End	0.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.646803 °	38.646803 °
				-121.578215 °	-121.578215 °
DWR ID	DWR_RD0537_01_s_2018_18				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : FA_2018_RD0537_173_18_20180904_00014.jpg



View of the cactus at the toe of the levee. Spring 2016.

LM Start	0.42	Rating **	M	Issue No.	18 (cont)
LM End	0.42	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_RD0537_173_18_20180904_00015.jpg



Perspective view of the landscaping on the landward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.44	Rating **	M	Issue No.	50
LM End	0.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647005°	38.647005°
				-121.577813°	-121.577813°
DWR ID	DWR_RD0537_01_s_2012_50				
Comment Code					
RW : Retaining Wall					
Inspector Comment					

Photo 1 of 3 : FA_2018_RD0537_173_50_20180904_00043.jpg



View of the retaining wall at the levee toe on the landward side of the levee looking downstream. The wall is partially broken. Fall 2015.

LM Start	0.44	Rating **	M	Issue No.	50 (cont)
LM End	0.44	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA_2018_RD0537_173_50_20180904_00044.jpg



View of the retaining wall at the toe of the levee on the landward side. Spring 2016.

LM Start	0.44	Rating **	M	Issue No.	50 (cont)
LM End	0.44	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2018_RD0537_173_50_20180904_00045.jpg



Updated view of the site. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.58	Rating **	M	Issue No.	53
LM End	0.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647475 °	38.647475 °
				-121.575515 °	-121.575515 °
DWR ID	DWR_RD0537_01_s_2018_53				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood piles and abandoned concrete pipe at the landside toe.					

Photo 1 of 2 : FA_2018_RD0537_173_53_20180904_00048.jpg



Large piles of firewood at the landside toe. Spring 2018.

LM Start	0.58	Rating **	M	Issue No.	53 (cont)
LM End	0.58	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_RD0537_173_53_20180904_00049.jpg



Concrete ring at landside levee toe. Fall 2016.

LM Start	0.59	Rating **	M	Issue No.	67
LM End	0.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647479 °	38.647479 °
				-121.575414 °	-121.575414 °
DWR ID	DWR_RD0537_01_f_2017_67				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.64	Rating **	M	Issue No.	52
LM End	0.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.647243 °	38.647243 °
				-121.574580 °	-121.574580 °
DWR ID	DWR_RD0537_01_f_2016_52				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_52_20180904_00047.jpg



Rodent hole has erosion around less than 1ft deep. Fall 2016.

LM Start	0.64	Rating **	M	Issue No.	27
LM End	0.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647229 °	38.647122 °
				-121.574508 °	-121.572952 °
DWR ID	DWR_RD0537_01_f_2017_27				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Tilling on the landside toe.					

Photo 1 of 1 : FA_2018_RD0537_173_27_20180904_00018.jpg



View of tilling on the landside toe. Fall 2017.

LM Start	0.68	Rating **	M	Issue No.	51
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647068 °	38.647068 °
				-121.573729 °	-121.573729 °
DWR ID	DWR_RD0537_01_f_2016_51				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.68	Rating **	U	Issue No.	65
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647067°	38.647067°
				-121.573728°	-121.573728°
DWR ID	DWR_RD0537_01_s_2017_65				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple holes on landside slope.					

Photo 1 of 1 : FA_2018_RD0537_173_65_20180904_00057.jpg



View of holes on the landside slope. Fall 2017.

LM Start	0.68	Rating **	M	Issue No.	68
LM End	0.68	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647067°	38.647067°
				-121.573727°	-121.573727°
DWR ID	DWR_RD0537_01_s_2017_68				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_68_20180904_00059.jpg



Deep rodent hole on levee crown. Spring 2017.

LM Start	0.73	Rating **	M	Issue No.	49
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647115 °	38.647115 °
				-121.572968 °	-121.572968 °
DWR ID	DWR_RD0537_01_f_2016_49				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_49_20180904_00042.jpg



Animal burrows on LS slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.74	Rating **	M	Issue No.	48
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647157°	38.647157°
				-121.572786°	-121.572786°
DWR ID	DWR_RD0537_01_f_2016_48				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_48_20180904_00041.jpg



Animal burrows on LS slope. Fall 2016.

LM Start	0.75	Rating **	M	Issue No.	64
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647266 °	38.647266 °
				-121.572481 °	-121.572481 °
DWR ID	DWR_RD0537_01_s_2017_64				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.81	Rating **	U	Issue No.	35
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.647181 °	38.647181 °
				-121.571586 °	-121.571586 °
DWR ID	DWR_RD0537_01_f_2016_35				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff erosion on landside slope. It has gotten deeper since the previous inspection.					

Photo 1 of 3 : FA_2018_RD0537_173_35_20181105_00091.jpg



View of erosion on the landside slope. Fall 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	0.81	Rating **	U	Issue No.	35 (cont)	
LM End	0.81	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.647181°	38.647181°	
				-121.571586°	-121.571586°	
DWR ID	DWR_RD0537_01_f_2016_35					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Runoff erosion on landside slope. It has gotten deeper since the previous inspection.						

Photo 2 of 3 : FA_2018_RD0537_173_35_20180904_00024.jpg



View of runoff erosion on the landside slope. Spring 2018.

LM Start	0.81	Rating **	U	Issue No.	35 (cont)
LM End	0.81	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2018_RD0537_173_35_20180904_00025.jpg



View of runoff erosion on landside levee slope. Spring 2017.

LM Start	1.05	Rating **	M	Issue No.	28
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.644973 °	38.644686 °
				-121.568153 °	-121.567903 °
DWR ID	DWR_RD0537_01_s_2016_28				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_28_20180904_00019.jpg



View of the trees on the landward side of the levee looking downstream. Spring 2016.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Reclamation District No. 0537 Lovdal

No Photos

View of erosion under corrugated drainage chute. Spring 2018.

View of rodent hole on the landside slope. Spring 2018.

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Reclamation District No. 0537 Lovdal

View of rodent holes on landside levee slope. Spring 2017.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	1.91	Rating **	M	Issue No.	40
LM End	1.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.633148°	38.633148°
				-121.564520°	-121.564520°
DWR ID	DWR_RD0537_01_s_2012_40				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes on the landside slope. Runoff is beginning to widen and expose existing tunnels.					

LM Start	1.91	Rating **	M	Issue No.	40 (cont)
LM End	1.91	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2018_RD0537_173_40_20180904_00032.jpg



Update view of rodent holes on the landside slope. Fall 2017.

Photo 2 of 2 : FA_2018_RD0537_173_40_20180904_00033.jpg



View of rodent holes on LS slope. Fall 2016.

LM Start	1.93	Rating **	M	Issue No.	29
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.632874 °	38.632462 °
				-121.564494 °	-121.564448 °
DWR ID	DWR_RD0537_01_f_2018_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_29_20180904_00020.jpg



View of the rodent holes on the landward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	1.97	Rating **	M	Issue No.	39
LM End	1.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.632224 °	38.632224 °
				-121.564443 °	-121.564443 °
DWR ID	DWR_RD0537_01_f_2016_39				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple holes on the landside slope.					

No Photos

LM Start	2.00	Rating **	M	Issue No.	57
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.631730 °	38.631730 °
				-121.564378 °	-121.564378 °
DWR ID	DWR_RD0537_01_f_2017_57				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple holes on the landside slope.					

Photo 1 of 1 : FA_2018_RD0537_173_57_20180904_00053.jpg



View of rodent holes on the landside slope. Fall 2017.

LM Start	2.01	Rating **	M	Issue No.	63
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.631717 °	38.631717 °
				-121.564380 °	-121.564380 °
DWR ID	DWR_RD0537_01_s_2018_63				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	2.02	Rating **	C	Issue No.	58
LM End	2.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.631539 °	38.631539 °
				-121.564361 °	-121.564361 °
DWR ID	DWR_RD0537_01_f_2017_58				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Runoff erosion on landside slope. Recommend monitoring.					

No Photos

LM Start	2.09	Rating **	M	Issue No.	60
LM End	2.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.630463 °	38.630463 °
				-121.564234 °	-121.564234 °
DWR ID	DWR_RD0537_01_s_2017_60				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_60_20180904_00055.jpg



Large burrow hole on landside levee slope. Spring 2017.

LM Start	2.20	Rating **	M	Issue No.	20	
LM End	2.20	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments				o	
					o	
DWR ID	DWR_RD0537_01_f_2018_20					
Comment Code						
ST : Stairway						
Inspector Comment						
Landowner has dug stairs within the landside slope.						

Photo 1 of 1 : FA_2018_RD0537_173_20_20181105_00092.jpg



View of stairs on the landside slope. Fall 2018.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	2.27	Rating **	U	Issue No.	62
LM End	2.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.627964 °	38.627964 °
				-121.563960 °	-121.563960 °
DWR ID	DWR_RD0537_01_f_2017_62				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes on the landside slope. Runoff is beginning to widen and expose existing tunnels.					

Photo 1 of 1 : FA_2018_RD0537_173_62_20180904_00056.jpg



View of rodent holes on the landside slope. Fall 2017.

LM Start	2.33	Rating **	M	Issue No.	41
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.627073 °	38.627073 °
				-121.563836 °	-121.563836 °
DWR ID	DWR_RD0537_01_f_2016_41				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD0537_173_41_20180904_00034.jpg



LS levee slope erosion. Fall 2016.

LM Start	2.54	Rating **	M	Issue No.	17
LM End	2.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.623983 °	38.623983 °
				-121.563503 °	-121.563503 °
DWR ID	DWR_RD0537_01_f_2015_17				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes on waterside slope.					

Photo 1 of 3 : FA_2018_RD0537_173_17_20180904_00011.jpg



Updated view of another rodent hole on the waterside slope. Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	2.54	Rating **	M	Issue No.	17 (cont)	
LM End	2.54	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.623983 °		38.623983 °
				-121.563503 °		-121.563503 °
DWR ID	DWR_RD0537_01_f_2015_17					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Multiple rodent holes on waterside slope.						

Photo 2 of 3 : FA_2018_RD0537_173_17_20180904_00012.jpg



View of the rodent hole on the waterward side of the levee. Fall 2016.

LM Start	2.54	Rating **	M	Issue No.	17 (cont)
LM End	2.54	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2018_RD0537_173_17_20180904_00013.jpg



View of the rodent hole on the waterward side of the levee. Fall 2016.

LM Start	2.59	Rating **	C	Issue No.	61
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.623310 °	38.623310 °
				-121.563524 °	-121.563524 °
DWR ID	DWR_RD0537_01_s_2017_61				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	2.60	Rating **	A/W	Issue No.	21
LM End	2.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			°	°
				°	°
DWR ID	DWR_RD0537_01_f_2018_21				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Runoff erosion on the landside slope. Recommend monitoring.					

No Photos

LM Start	2.62	Rating **	C	Issue No.	66
LM End	2.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.622841 °	38.622841 °
				-121.563505 °	-121.563505 °
DWR ID	DWR_RD0537_01_f_2017_66				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple holes on the landside slope. Fall 2017.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	2.72	Rating **	M	Issue No.	267	
LM End	2.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.621437 °	38.621437 °	
				-121.563373 °	-121.563373 °	
DWR ID	178					
Comment Code						
Inspector Comment						
FS_ID:46035						
DS_ID:178						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Wasted pipe and valve not visible due to vegetation.						
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 4.5 feet below the crown. Slant pump column on the riverbank. Timber walkway mounted on a pile structure across the waterside (WS) berm, not found. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete standpipe on the LS. 6-inch waste line down the WS bank with a gate valve. 2-inch electrical conduit through the levee. [Additional Reference(s): DWR Levee Log, 2004].						
FS Date: 3/18/2013						

LM Start	2.72	Rating **	M	Issue No.	267 (cont)
LM End	2.72	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_46035_17008.jpg



WS- overview of pump, pipe and steel structure structure.

Photo 2 of 3 : UCIP_FA_2018_46035_17007.jpg



WS- closer view of pump, pipe and steel structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	2.72	Rating **	M	Issue No.	267 (cont)	
LM End	2.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.621437 °		38.621437 °
				-121.563373 °		-121.563373 °
DWR ID	178					
Comment Code						
Inspector Comment						
FS_ID:46035 DS_ID:178 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Wasted pipe and valve not visible due to vegetation. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 4.5 feet below the crown. Slant pump column on the riverbank. Timber walkway mounted on a pile structure across the waterside (WS) berm, not found. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete standpipe on the LS. 6-inch waste line down the WS bank with a gate valve. 2-inch electrical conduit through the levee. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 3/18/2013						

Photo 3 of 3 : UCIP_FA_2018_46035_17006.jpg



LS- siphon breaker in pvc pipe riser.

LM Start	2.84	Rating **	M	Issue No.	268
LM End	2.84	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.619674 °	38.619674 °
				-121.563330 °	-121.563330 °
DWR ID	179				
Comment Code					
Inspector Comment					
FS_ID:46037					
DS_ID:179					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: A 6-inch wasted pipe down bank, gate valve on waste line- not visible due to the vegetation.					
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Slant pump column on the riverbank. Steel walkway mounted on a pile structure across the berm to the pump. Buried siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete standpipe on the LS, not found; however, a shallow CMP standpipe was found on a cultivated field. 6-inch waste line down the waterside (WS) bank with a gate valve.					
[Additional Reference(s): DWR Levee Log, 2004].					
FS Date: 3/18/2013					

Photo 1 of 3 : UCIP_FA_2018_46037_17027.jpg



WS- overview of slanted pump on steel structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	2.84	Rating **	M	Issue No.	268 (cont)	
LM End	2.84	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.619674 °	38.619674 °	
				-121.563330 °	-121.563330 °	
DWR ID	179					
Comment Code						
Inspector Comment						
FS_ID:46037 DS_ID:179 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: A 6-inch wasted pipe down bank, gate valve on waste line- not visible due to the vegetation. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Slant pump column on the riverbank. Steel walkway mounted on a pile structure across the berm to the pump. Buried siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete standpipe on the LS, not found; however, a shallow CMP standpipe was found on a cultivated field. 6-inch waste line down the waterside (WS) bank with a gate valve. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 3/18/2013						

LM Start	2.84	Rating **	M	Issue No.	268 (cont)
LM End	2.84	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_46037_17026.jpg



WS- slanted pump and pipe on steel structure.

Photo 3 of 3 : UCIP_FA_2018_46037_17025.jpg



WS- steel walkway on pile structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	2.92	Rating **	M	Issue No.	3
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.618535 °	38.618535 °
				-121.563373 °	-121.563373 °
DWR ID	DWR_RD0537_01_s_2015_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo starting to creep up on the levee slope.					

Photo 1 of 1 : FA_2018_RD0537_173_3_20180904_00001.jpg



View of the arundo at the levee toe on the landward side of the levee looking upstream. Fall 2015.

LM Start	2.93	Rating **	M	Issue No.	269
LM End	2.93	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.618334 °	38.618334 °
				-121.563318 °	-121.563318 °
DWR ID	180				
Comment Code					
Inspector Comment					
FS_ID:46806					
DS_ID:180					
EP_NO: 4656					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Broken gate valve handle on waste pipe.					
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Slant pump column on the riverbank.					
Timber walkway mounted on a pile structure across the berm to the pump. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete pipe riser on the LS. 6-inch waste line down the waterside (WS) bank with a gate valve. (Plans to install a new steel pipe through an existing pipe and to grout the annular space between the pipes through the levee authorized under Permit No. 4656, 1964 - Beatty H. Ramsay, MD). [Additional Reference(s): DWR Levee Log, 2004].					
FS Date: 3/18/2013					

Photo 1 of 3 : UCIP_FA_2018_46806_17038.jpg



WS- slanted pipe and pump on timber structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	2.93	Rating **	M	Issue No.	269 (cont)	
LM End	2.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.618334 °	38.618334 °	
				-121.563318 °	-121.563318 °	
DWR ID	180					
Comment Code						
Inspector Comment						
FS_ID:46806 DS_ID:180 EP_NO: 4656 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Broken gate valve handle on waste pipe. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Slant pump column on the riverbank. Timber walkway mounted on a pile structure across the berm to the pump. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete pipe riser on the LS. 6-inch waste line down the waterside (WS) bank with a gate valve. (Plans to install a new steel pipe through an existing pipe and to grout the annular space between the pipes through the levee authorized under Permit No. 4656, 1964 - Beatty H. Ramsay, MD). [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 3/18/2013						

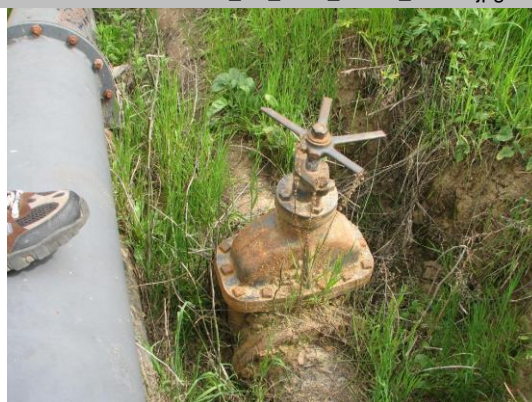
LM Start	2.93	Rating **	M	Issue No.	269 (cont)
LM End	2.93	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_46806_17037.jpg



WS- main pipe and waste pipe with gate valve

Photo 3 of 3 : UCIP_FA_2018_46806_17036.jpg



WS- main pipe and waste pipe with gate valve

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	3.00	Rating **	M	Issue No.	23
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control			°	°
				°	°
DWR ID	DWR_RD0537_01_f_2018_23				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole at the landside toe.					

No Photos

LM Start	3.06	Rating **	M	Issue No.	264
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.616504°	38.616504°	
			-121.563270°	-121.563270°	
DWR ID	DWR_RD0537_01_s_2014_264				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
The previous erosions from Spring 2014 are corrected, however, there is erosion under the gangway.					

Photo 1 of 1 : FA_2018_RD0537_173_264_20180904_00063.jpg



There is erosion under the gangway on the waterward side of the levee looking downstream. Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	3.06	Rating **	M	Issue No.	270	
LM End	3.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.616413 °		38.616413 °
				-121.563205 °		-121.563205 °
DWR ID	181					
Comment Code						
Inspector Comment						
FS_ID:46041 DS_ID:181 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Obstructed siphon breaker. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Slant pump column on the riverbank. Timber walkway mounted on a pile structure across the berm to the pump. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete standpipe on the LS. 6-inch waste line down the waterside (WS) bank with a gate valve. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 3/18/2013						

LM Start	3.06	Rating **	M	Issue No.	270 (cont)
LM End	3.06	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_46041_17171.jpg



WS- overview of slanted pipe and pump on steel pile structure

Photo 2 of 3 : UCIP_FA_2018_46041_17170.jpg



WS- covered slanted pump on timber platform.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	3.06	Rating **	M	Issue No.	270 (cont)	
LM End	3.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.616413 °		38.616413 °
				-121.563205 °		-121.563205 °
DWR ID	181					
Comment Code						
Inspector Comment						
FS_ID:46041 DS_ID:181 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Obstructed siphon breaker. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 7 feet below the crown. Slant pump column on the riverbank. Timber walkway mounted on a pile structure across the berm to the pump. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete standpipe on the LS. 6-inch waste line down the waterside (WS) bank with a gate valve. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 3/18/2013						

Photo 3 of 3 : UCIP_FA_2018_46041_17169.jpg



WS- slanted pipe and waste pipe gate valve

LM Start	3.45	Rating **	M	Issue No.	43
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.610914 °	38.610914 °
				-121.561835 °	-121.561835 °
DWR ID	DWR_RD0537_01_f_2016_43				
Comment Code					
GA : Garbage					
Inspector Comment					
Sofa on landside slope.					

Photo 1 of 1 : FA_2018_RD0537_173_43_20180904_00035.jpg



Garbage on LS slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	3.51	Rating **	M	Issue No.	14
LM End	3.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.610128°	38.610128°
				-121.561300°	-121.561300°
DWR ID	DWR_RD0537_01_f_2015_14				
Comment Code					
DE : Debris					
Inspector Comment					
Abandoned pipes and power pole.					

Photo 1 of 1 : FA_2018_RD0537_173_14_20180904_00006.jpg



View of concrete debris and a utility pole on the landward side of the levee. Fall 2015.

LM Start	3.63	Rating **	C	Issue No.	15
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.608656 °	38.608656 °
				-121.560333 °	-121.560333 °
DWR ID	DWR_RD0537_01_f_2015_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.13	Rating **	U	Issue No.	8
LM End	4.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.602671 °	38.600687 °
				-121.555351 °	-121.553297 °
DWR ID	DWR_RD0537_01_s_2012_8				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 2 : FA_2018_RD0537_173_8_20180904_00004.jpg



Abandoned building and fence on the levee crown. Spring 2013

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	4.13	Rating **	U	Issue No.	8 (cont)	
LM End	4.31	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.602671 °	38.600687 °	
				-121.555351 °	-121.553297 °	
DWR ID	DWR_RD0537_01_s_2012_8					
Comment Code						
BU : Building						
Inspector Comment						

Photo 2 of 2 : FA_2018_RD0537_173_8_20180904_00005.jpg



Building and old equipment within the fenced compound. Spring 2014

LM Start	4.14	Rating **	A/W	Issue No.	19
LM End	4.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.602874 °	38.601718 °
				-121.554620 °	-121.553629 °
DWR ID	DWR_RD0537_01_f_2018_19				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 62.9 R Status: Eroding 2017 Field Notes: Fresh erosion pocket near downstream end. Site History: 1997 - This may have been a cobble rehabilitation site to the 1957 cobble that was place all the way to the I-80 Bridge. 2000 - Local damage induced by human use. 2003 - Site is still very close to the levee and into the levee toe. 2011 - One new tree has fallen. 2015 - Sites 62.9 and 63 were combined into one site. 2018: DWR Inspector: Super wide section of levee, erosion does not appear to be within theoretical prism.					

Photo 1 of 1 : FA_2018_RD0537_173_19_20181106_00023.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	4.24	Rating **	M	Issue No.	271
LM End	4.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.601384 °	38.601384 °
				-121.554099 °	-121.554099 °
DWR ID	171				
Comment Code					
Inspector Comment					
FS_ID:45026 DS_ID:171 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 12-inch irrigation discharge pipe of an unknown material through the levee, 15.1 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Appears to be improperly abandoned. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 4/28/2015					

LM Start	4.24	Rating **	M	Issue No.	271 (cont)
LM End	4.24	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_45026_17073.jpg



Riparian Lands Trust- no access through gate.

Photo 2 of 3 : UCIP_FA_2018_45026_17072.jpg



No access through gate. Area behind gated area along WS slope accessible.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	4.24	Rating **	M	Issue No.	271 (cont)	
LM End	4.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.601384 °	38.601384 °	
				-121.554099 °	-121.554099 °	
DWR ID	171					
Comment Code						
Inspector Comment						
FS_ID:45026 DS_ID:171 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 12-inch irrigation discharge pipe of an unknown material through the levee, 15.1 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. Appears to be improperly abandoned. [Additional Reference(s): DWR Levee Log, 2004]. FS Date: 4/28/2015						

Photo 3 of 3 : UCIP_FA_2018_45026_74045.jpg



12" pipe along WS slope resting on possible remnant of pump house.

LM Start	4.31	Rating **	C	Issue No.	30
LM End	4.31	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.600683 °	38.600683 °
				-121.553193 °	-121.553193 °
DWR ID	DWR_RD0537_01_s_2018_30				
Comment Code					
DE : Debris					
Inspector Comment					
Abandoned airconditioner on the crown.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	4.34	Rating **	A/W	Issue No.	26
LM End	4.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.600405 °	38.600405 °
				-121.552731 °	-121.552731 °
DWR ID	DWR_RD0537_01_s_2018_26				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Minor runoff erosion on the waterside slope. Recommend monitoring.					

Photo 1 of 1 : FA_2018_RD0537_173_26_20180904_00017.jpg



View of runoff erosion on the waterside slope. Spring 2018.

LM Start	4.35	Rating **	M	Issue No.	272
LM End	4.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.600310 °	38.600310 °
				-121.552816 °	-121.552816 °
DWR ID	235				
Comment Code					
Inspector Comment					
FS_ID:45024 DS_ID:235 EP_NO: 17993 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need signs on WS slope for all gas lines in area. FIELD_STRUCT_DESC: 20-inch steel natural gas pipeline bored under the channel and levees, at an unknown depth. Sign on opposite bank. Sign off the landside (LS) toe on the other side of the railroad tracks at the base of the tower. (Plans to install a 20-inch natural gas pipeline bored under the channel and levees authorized under Permit No. 17993, 2006 - Pacific Gas and Electric Company [PG&E], attention Michael Gunby). FS Date: 4/28/2015					

Photo 1 of 3 : UCIP_FA_2018_45024_74020.jpg



Red circle shows location of sign on opposite bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	4.35	Rating **	M	Issue No.	272 (cont)	
LM End	4.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.600310 °	38.600310 °	
				-121.552816 °	-121.552816 °	
DWR ID	235					
Comment Code						
Inspector Comment						
FS_ID:45024 DS_ID:235 EP_NO: 17993 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need signs on WS slope for all gas lines in area. FIELD_STRUCT_DESC: 20-inch steel natural gas pipeline bored under the channel and levees, at an unknown depth. Sign on opposite bank. Sign off the landside (LS) toe on the other side of the railroad tracks at the base of the tower. (Plans to install a 20-inch natural gas pipeline bored under the channel and levees authorized under Permit No. 17993, 2006 - Pacific Gas and Electric Company [PG&E], attention Michael Gunby). FS Date: 4/28/2015						

LM Start	4.35	Rating **	M	Issue No.	272 (cont)
LM End	4.35	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_45024_74021.jpg



Closeup of PGE "Gas Pipeline Crossing" sign on opposite bank.

Photo 3 of 3 : UCIP_FA_2018_45024_74040.jpg



Marker off LS toe at base of tower at opposite side of RR tracks.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0537 Lovdal

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	11/05/2018 11/05/2018	Zach Jojola

LM Start	4.48	Rating **	M	Issue No.	24
LM End	4.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.598854 °	38.598854 °
				-121.551141 °	-121.551141 °
DWR ID	DWR_RD0537_01_f_2017_24				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Runoff erosion on waterside slope. Recommend monitoring.					

Photo 1 of 1 : FA_2018_RD0537_173_24_20181105_00089.jpg



View of erosion on waterside slope. Fall 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 0537 Lovdal

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Left	1.19
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/17/2018 - 4/17/2018		10/24/2018 - 10/24/2018	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	10/24/2018 10/24/2018	Zach Jojola

LM Start	0.05	Rating **	A/W	Issue No.	5
LM End	0.05	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.596606 °	38.596606 °
				-121.576970 °	-121.576970 °
DWR ID	DWR_RD0537_02_s _ 2017_5				
Comment Code					
DE : Debris					
Inspector Comment					
Previous homeless camp has moved, but should be monitored.					

No Photos

LM Start	0.45	Rating **	C	Issue No.	3
LM End	0.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.591336 °	38.591336 °
				-121.573959 °	-121.573959 °
DWR ID	DWR_RD0537_02_s _ 2017_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Recommend that rodent hole be filled.					

No Photos

LM Start	0.92	Rating **	A	Issue No.	1
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.585138 °	38.585138 °
				-121.570342 °	-121.570342 °
DWR ID	DWR_RD0537_02_f _ 2018_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA maintains the vegetation at a high level.					

Photo 1 of 1 : FA_2018_RD0537_174_1_20181025_00002.jpg



View of grazed landside slope. Fall 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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